

01409416 HAMMONTON CREEK AT WESCOATVILLE, NJ

MULLICA RIVER BASIN

LOCATION.--Lat 39°38'02", long 74°43'04" referenced to North American Datum of 1983, Hammonton Town, Atlantic County, NJ, Hydrologic Unit 02040301, at bridge on Chestnut Road, 0.4 mi south of Wescoatville, 1.1 mi southwest of Nesco, 1.7 mi upstream from Norton Branch, and 3.8 mi southwest of Batsto.

DRAINAGE AREA.--9.57 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 1974, 1978-81, 1983, 1985 to current year.

REVISED RECORDS.--WDR NJ-83-1:Drainage area.

GAGE.--Staff gage.

REMARKS.--Flow includes some sewage effluent.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Discharge, in ft ³ /s
Nov 20, 2007	8.28
Feb 14, 2008	64.0
May 21, 2008	27.5
Aug 25, 2008	3.66
Sep 17, 2008	9.20

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974 to current year.

REMARKS.--Cooperative Network Site Descriptor: Mixed Land Use Indicator, New Jersey Department of Environmental Protection Watershed Management Area 14.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft ³ /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)
Nov 20...	1110	8.3	2.2	.143	.116	762	8.8	77	6.8	148	8.0	9.5	25
Feb 14...	1130	64	32	.343	.269	763	10.4	81	5.6	101	5.0	5.1	22
May 21...	1030	28	14	.340	.268	748	8.5	81	5.8	116	20.0	12.2	24
Aug 25...	1130	3.7	2.3	.102	.081	759	8.1	90	6.7	152	27.5	20.2	22

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO ₂ (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Nov 20...	5.83	2.61	4.81	14.4	13	20.4	E.08	7.8	15.0	E86	99	3	.28
Feb 14...	4.99	2.29	3.24	6.47	E5	12.3	E.07	3.9	12.7	E56	67	9	.39
May 21...	5.38	2.53	3.87	8.14	5.4	14.2	E.09	5.5	13.5	E63	85	9	.48
Aug 25...	5.11	2.21	4.90	16.4	18	21.8	<.12	7.7	11.1	86	84	3	.37

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
Nov													
20...	.023	1.35	.04	1.6	1.7	.276	.28	.33	.3	<.04	.3	4.3	66
Feb													
14...	.032	1.61	.20	2.0	2.2	.063	.08	.19	2.6	<.04	2.6	7.8	21
May													
21...	.082	1.46	.12	1.9	2.1	.145	.16	.25	1.1	<.04	1.1	6.6	33
Aug													
25...	.028	1.06	.04	1.4	1.5	.244	.28	.31	.4	<.04	.4	2.7	69